

Date: Tue, 16 Aug 94 04:30:07 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #921
To: Info-Hams

Info-Hams Digest Tue, 16 Aug 94 Volume 94 : Issue 921

Today's Topics:

Cable TV equivalent of 427.25 Mhz
Have You Ever Noticed?
how do i become a ham ?
Temperature Telemetry
UHF/VHF Remote VSWR Sensor Needed

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 15 Aug 1994 15:18:43 GMT
From: utcsri!newsflash.concordia.ca!CC.UMontreal.CA!IRO.UMontreal.CA!
clouso.crim.ca!hobbit.ireq.hydro.qc.ca!barde!vaillan@RUTGERS.EDU
Subject: Cable TV equivalent of 427.25 Mhz
To: info-hams@ucsd.edu

I have this list made by KA9WGN.
73 de Clement, VE2HQJ

In article AA10564@flowserver.stem.com, dave@flowserver.stem.com (David Adams)
writes:

>Can anyone tell me the cable channel equivalent of 427.25 Mhz? I had
>a whole list of all the channel/freqs before I left indiana (the
>local atv community did NOT believe in downconverters), but I lost
>it.
>
>73 de dave, n9uxu

CHAN	BROADCAST	CABLE STD	CABLE HRC	CABLE IRC
1	---	---	72.00	73.25
2	55.25	55.25	54.00	55.25
3	61.25	61.25	60.00	61.25
4	67.25	67.25	66.00	67.25
5	77.25	77.25	78.00	79.25
6	83.25	83.25	84.00	85.25
7	175.25	175.25	174.00	175.25
8	181.25	181.25	180.00	181.25
9	187.25	187.25	186.00	187.25
10	193.25	193.25	192.00	193.25
11	199.25	199.25	198.00	199.25
12	205.25	205.25	204.00	205.25
13	211.25	211.25	210.00	211.25
14 A	471.25	121.25	120.00	121.15
15 B	477.25	127.25	126.00	127.15
16 C	483.25	133.25	132.00	133.15
17 D	489.25	139.25	138.00	139.15
18 E	495.25	145.25	144.00	145.15
19 F	501.25	151.25	150.00	151.15
20 G	507.25	157.25	156.00	157.15
21 H	513.25	163.25	162.00	163.15
22 I	519.25	169.25	168.00	169.15
23 J	525.25	217.25	216.00	217.25
24 K	531.25	223.25	222.00	223.25
25 L	537.25	229.25	228.00	229.25
26 M	543.25	235.25	234.00	235.25
27 N	549.25	241.25	240.00	241.25
28 O	555.25	247.25	246.00	247.25
29 P	561.25	253.25	252.00	253.25
30 Q	567.25	259.25	258.00	259.25
31 R	573.25	265.25	264.00	265.25
32 S	579.25	271.25	270.00	271.25
33 T	585.25	277.25	276.00	277.25
34 U	591.25	283.25	282.00	283.25
35 V	597.25	289.25	288.00	289.25
36 W	603.25	295.25	294.00	295.25
37 AA	609.25	301.25	300.00	301.25
38 BB	615.25	307.25	306.00	307.25
39 CC	621.25	313.25	312.00	313.25
40 DD	627.25	319.25	318.00	319.25
41 EE	633.25	325.25	324.00	325.25
42 FF	639.25	331.25	330.00	331.25
43 GG	645.25	337.25	336.00	337.25
44 HH	651.25	343.25	342.00	343.25

45	II	657.25	349.25	348.00	349.25
46	JJ	663.25	355.25	354.00	355.25
47	KK	669.25	361.25	360.00	361.25
48	LL	675.25	367.25	366.00	367.25
49	MM	681.25	373.25	372.00	373.25
50	NN	687.25	379.25	378.00	379.25
51	OO	693.25	385.25	384.00	385.25
52	PP	699.25	391.25	390.00	391.25
53	QQ	705.25	397.25	396.00	397.25
54	RR	711.25	403.25	402.00	403.25
55	SS	717.25	409.25	408.00	409.25
56	TT	723.25	415.25	414.00	415.25
57	UU	729.25	421.25	420.00	421.25
58	VV	735.25	427.25	426.00	427.25
59	WW	741.25	433.25	432.00	433.25
60	XX	747.25	439.25	438.00	439.25
61	YY	753.25	445.25	444.00	445.25
62	ZZ	759.25	451.25	450.00	451.25
63		765.25	457.25	456.00	457.25
64		771.25	463.25	462.00	463.25
65		777.25	469.25	468.00	469.25
66		783.25	475.25	474.00	475.25
67		789.25	481.25	480.00	481.25
68		795.25	487.25	486.00	487.25
69		801.25	493.25	492.00	493.25
70		807.25	499.25	498.00	499.25
71		813.25	505.25	504.00	505.25
72		819.25	511.25	510.00	511.25
73		825.25	517.25	516.00	517.25
74		831.25	523.25	522.00	523.25
75		837.25	529.25	528.00	529.25
76		843.25	535.25	534.00	535.25
77		849.25	541.25	540.00	541.25
78		855.25	547.25	546.00	547.25
79		861.25	553.25	552.00	553.25
80		867.25	559.25	558.00	559.25
81		873.25	565.25	564.00	565.25
82		879.25	571.25	570.00	571.25
83		885.25	577.25	576.00	577.25
84		---	421.25	420.00	421.25
85		---	427.25	426.00	427.25
86		---	433.25	432.00	433.25
87		---	439.25	438.00	439.25
88		---	445.25	444.00	445.25
89		---	451.25	450.00	451.25
90		---	457.25	456.00	457.25
91		---	463.25	462.00	463.25
92		---	469.25	468.00	469.25

93	---	475.25	474.00	475.25
94	---	481.25	480.00	481.25
95	---	91.25	90.00	91.25
96	---	97.25	96.00	97.25
97	---	103.25	102.00	103.25
98	---	109.25	108.00	109.25
99	---	115.25	114.00	115.25
CHAN	BROADCAST	CABLE STD	CABLE HRC	CABLE IRC

HRC = Harmonic related carrier
 IRC = Interval related carrier

Color subcarrier is 3.579545 MHz above video given
 Audio subcarrier is 4.500000 MHz above video given

Exact color subcarrier is computed by $5 \times 63 / 88$ MHz
 This is the formula specified by the FCC in part 73

Low VHF 54-88 MHz
 Midband 88-174 MHz
 High VHF 174-216 MHz
 Superband 216-300 MHz
 Hyperband 300-468 MHz
 Ultraband 468-648 MHz
 UHF 470-806 MHz (formerly 470-890)

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 /*****\n
 | Phil Howard --- KA9WGN --- pdh@netcom.com | "The problem with |\n
 | depending on government is that you cannot depend on it" - Tony Brown |\n
 *****/

Date: Mon, 15 Aug 1994 19:02:37 GMT
 From: ihnp4.ucsd.edu!ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!usc!
 news.service.uci.edu!ttinews!avatar!sorgatz@network.ucsd.edu
 Subject: Have You Ever Noticed?
 To: info-hams@ucsd.edu

In article <1994Aug15.105157.1@aspen.uml.edu> martinja@aspen.uml.edu writes:
 >No offense to the old timers out there but have you ever noticed how often
 >they key up on top of each other during a QS0? I do a lot of listening on the
 >HF bands and I find the QS0s of most old timers very informative and very
 >interesting. It drives me up the wall, however, when Joe keys up on top of
 >Fred before Fred has unkeyed his mic. Now they're talking to themselves
 >because both are keyed up at the same time.

Yup, and the reason is that a lot of those guys are deaf! Really..

they dont hear very well, they crank up the volume and then...disaster strikes!
..the other Ham takes a breath between words and pow! The other OM quick-keys!

>
>I really believe this is one place a "roger" beep would be practical. I'd
>rather hear that then to hear two stations talking as if they were in full
>duplex operation.
>
>Comments anyone?
>

Nope. Roger-beeps are for lawbreaking CBers and other scum. With proper On-the-Air skills, this need not happen. SLOW KEY YOUR MIC! Dont assume he's off the key, wait till he turns it over to you, If he's been keyed-up long enuff to qualify for a broadcasting award - tell him nicely on the next go round, in a nice way - like: "Hey Joe, we decided you need a Push-to-Listen switch!"

Second point: Fixed rotation in nets. Yeah it seems dull, but what's the real alternative? Buncha people keyed up...noone listening...Lid Net! So to avoid the "all-together-now" keyup...use a fixed rotation scheme, Im after N6xxx and then pass it to WA4yyy and so on. All the traffic/MARS nets do it, there must be a reason!

>If you are an old timer and engage in actual "ragchew" please don't be offended
>by this post. It's just an observation. It might even get you to pause a
>little between turnovers -- just in case someone wants to break in. Or is
>this just your way of keeping the frequency from being stolen by the new
>breed of rude ham? Just curious...

>
>73 de WK1V | I speak for no one. |
> -jim- | Nor myself for that matter! |
>

Actually, ragchew is just an extended conversation, the exchanges CAN be brief rapid-fire and not the 10 minute monotone broadcasting that sometimes try to be called ham radio. I noticed one OF that was exceeding 25 minutes per keyup on 80m AM..the group just left him after a few go-rounds...poor feller! Must be a drag...somebody should clue him in!

73!

-Avatar-> (aka: Erik K. Sorgatz) KB6LUY +-----+
TTI(es@soldev.tti.com)or: sorgatz@avatar.tti.com *Government produces NOTHING!*
3100 Ocean Park Blvd. Santa Monica, CA 90405 +-----+
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)

Date: Mon, 15 Aug 1994 18:40:34 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!cs.utexas.edu!
convex!news.ssc.gov!fnnews.fnal.gov!fang!ulysses!lznj!ucseng!news@network.ucsd.edu
Subject: how do i become a ham ?
To: info-hams@ucsd.edu

hi everybody,

i'm very keen to become a ham. what do i have to do ? i understand there
are some exams to be taken. appreciate a reply that gives directions/hints
on how to get started, who to contact etc.

thanks in advance,

venkat
venkat@ucsdeva.ucs.att.com

Date: 12 Aug 1994 11:37:26 GMT
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!agate!usenet.ins.cwru.edu!
eff!wariat.org!malgudi.oar.net!infinet!wvanho@network.ucsd.edu
Subject: Temperature Telemetry
To: info-hams@ucsd.edu

oflber02@uctvax.uct.ac.za wrote:
: I am currently doing a thesis on a Perishable Goods Temperature Monitor.
: The thesis calls for a temperature probe which is packed with the goods.
: An interrogator then interrogates the probe and a reading is given.
: The problem is that the probe is not allowed to have a power source at all.
: Thanks in advance
: Bernard O'Flynn
: Dept. of Electrical Engineering
: University of Cape Town

I am sure that your best bet would be to use a thermistor as the
temperature sensor. It will give you a large, accurately known,
resistance change with temperature. The resistance, then, could be
used in an R-C oscillator with predictable and repeatable
frequency-temperature characteristics.

I will leave it to others to advise how you may be able to couple
sufficient power into the circuit from one meter away! :-)

73, Van - W8UOF

* * * * *

* It ain't wot ya don't know 't gets ya into trouble. *
* It's wot ya know 't ain't true. - "Mr. Dooley" *
* * * * *

wvanho@infinet.com

Date: 16 Aug 1994 01:01:19 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!spool.mu.edu!
torn!news.ccs.queensu.ca!news.rmc.ca!smith@network.ucsd.edu
Subject: UHF/VHF Remote VSWR Sensor Needed
To: info-hams@ucsd.edu

--

Date: 16 Aug 1994 01:16:39 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!kennish@network.ucsd.edu
To: info-hams@ucsd.edu

References <CuLn0B.qL@world.std.com>, <32ov9d\$c3j@news.duke.edu>,
<CuLqqv.EJ4@world.std.com>
Subject : Re: Crossband repeating rigs & auto IDers

In article <CuLqqv.EJ4@world.std.com>,
David R Tucker <drt@world.std.com> wrote:
>Joe B. Simpson (jbs@duke.edu) wrote:
>
>: I thought the control operator of any station had to have the means to
>: immediately shut down the transmitter. Time-out features aren't the same
>: thing.
>
>The only thing I see that's even close is that a station under
>telecommand must have something to limit transmission to no more than
>3 minutes in the event the control link malfunctions. I'm open to
>correction, though.
>
>-drt

After looking in Part 97, this is the catch all:

97.105 Control operator duties. - (a) The control operator must
ensure the immediate proper operation of the station, regardless of the
type of control.

OK, so you're the control op. You need to have a method to "ensure the

immediate proper operation of the station." So, if you want to do it by carrier pigeon, that's OK, but it has to be "immediate" -- no time out timers allowed.

==Ken

Date: 15 Aug 1994 18:29:52 -0700
From: nntp.crl.com!crl.crl.com!not-for-mail@decwrl.dec.com
To: info-hams@ucsd.edu

References <linleyCu5EMp.9sG@netcom.com>,
<474@ted.win.net><3217kv\$ood@crl.crl.com>, <490@ted.win.net>a
Subject : Re: 2m/11m crossband QSO: legal?

Michael Silva (mjsilva@ted.win.net) wrote:

:
: In article <3217kv\$ood@crl.crl.com>, Charles A Daley (chdaley@crl.com) writes:
: >Michael Silva (mjsilva@ted.win.net) wrote:
: >:
: >: In article <linleyCu5EMp.9sG@netcom.com>, Bruce James Robert Linley
(linley@netcom.com) writes:
: >: >I have a rather odd question to ask. When me and my dad go camping, we
: >: >use CBs to communicate (my dad is not a ham)- one in the truck and a
: >: >handheld. The problem is that the handheld just can't get a good signal
: >: >out in certain areas due to it's inherently small antenna. I can hear
: >: >the truck's CB just fine on the handheld anywhere in the camping area.
: >: >Would it be possible for me to talk to my dad through a local 2m
: >: >repeater (he could receive me on a scanner), and my dad to communicate
: >: >back on the CB? Is either communication considered a "one-way" trans-
: >: >mission? I've already talked to the 2m repeater owner and he has no
: >: >objections to this particular use of his repeater. Any Part97/Part95
: >: >prohibitions to cross-service QSOs? Thanks.
: >: >
: >: Sorry, can't be done. Look at Part 97.111, and you'll see that you can
: >: only communicate with other amateurs (except for emergency
: >: communications). The repeater owner, by consenting to this use of his
: >: repeater, is putting his license on the line. Go back and educate him.
: >
: >Just for the sake of discussion, how is this vastly different from
: >calling someone on an autopatch?
: >
: First note that the language of 97.111 actually speaks of "amateur
: stations", not "amateurs". The way it's been explained to me is that
: this is considered a communication between the amateur station
: autopatching and the repeater, controlled by the control op, who is
: allowing third party traffic over "his" station via the autopatch. I've

: heard that some repeaters turn off their autopatch late at night when
: all the control ops are in bed to stick more closely to the letter of
: the law (and to prevent mischief in general).

: I'm sure others will have more to add to my answer.

: Mike, KK6GM
:

Then again, just for the sake of discussion...

This suggests that if the repeater in question had a link to 11 meters
(perish the thought...:)) then all would be okay??? The one-way
transmissions would be gone and the repeater would complete the
requirement for an amateur station.

Just thought I'd toss that in for thought.

Chuck Daley
KD4LXQ

End of Info-Hams Digest V94 #921
